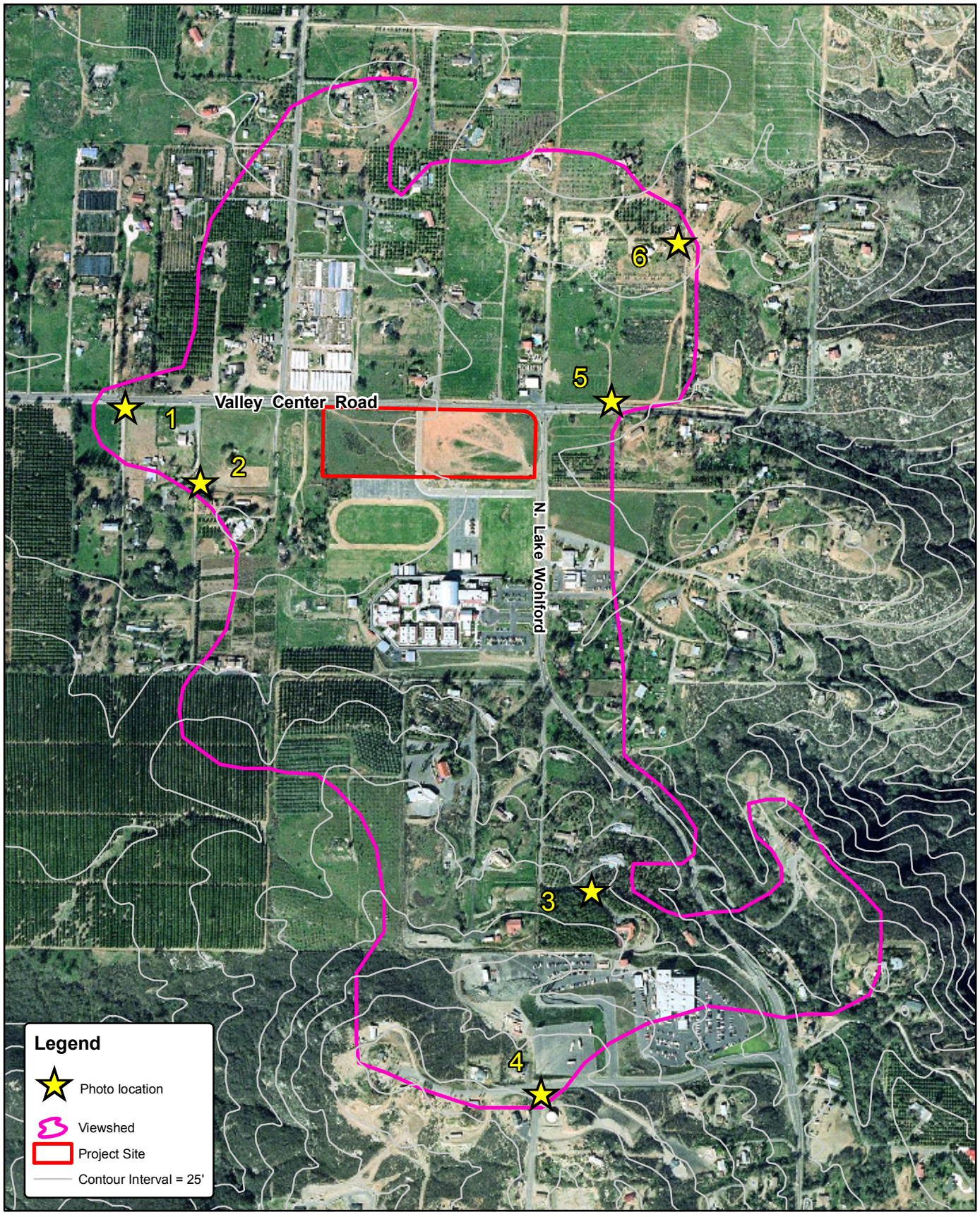
Appendix A

Aerial Photos

Appendix B

Viewshed Analysis



Source: Aerial Access (2003)

Mooney · Jones & Stokes

0 350 700
Feet

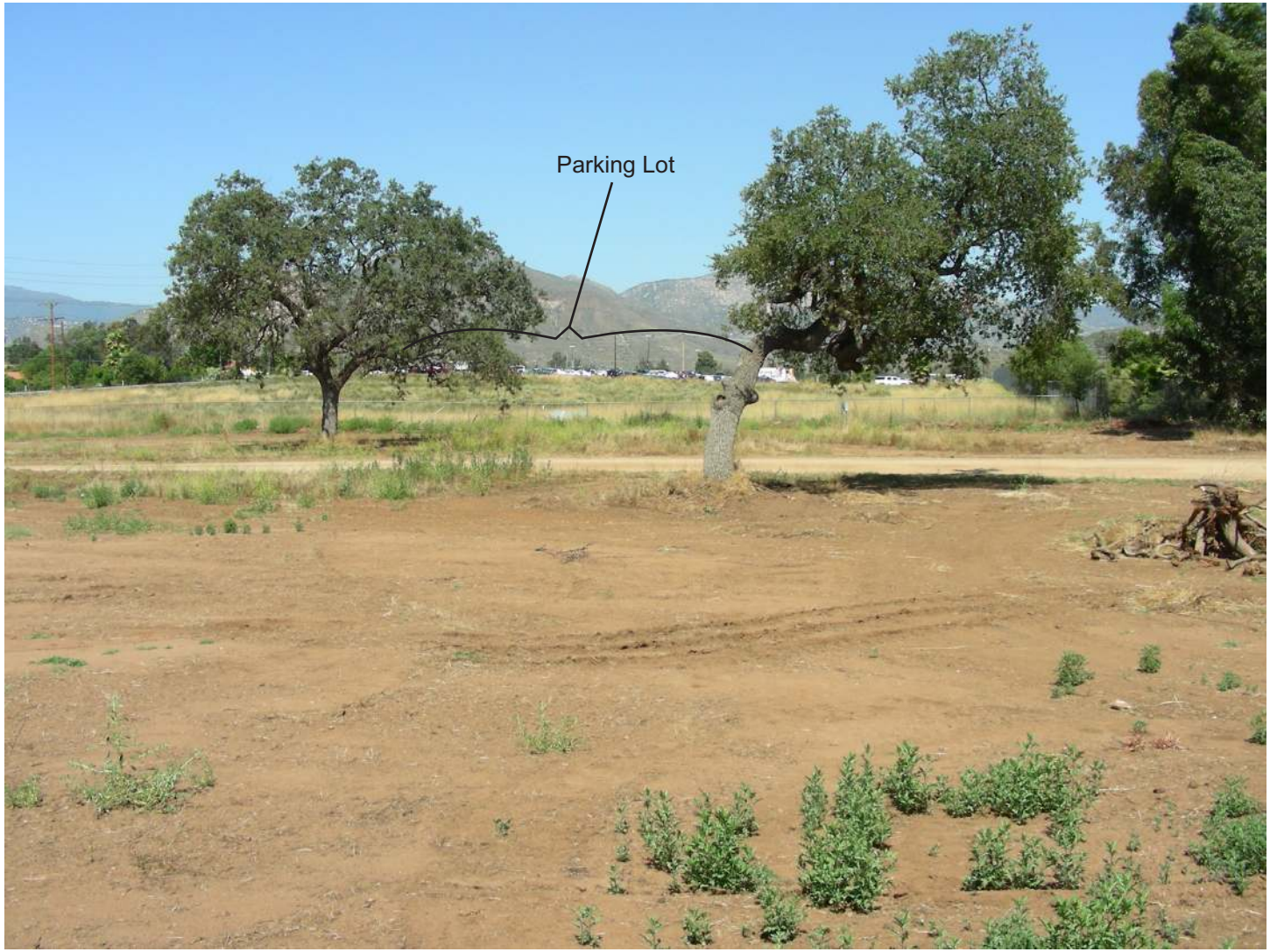
G: \ GIS \ 05394_05 \ MXD \ VIEWSHED_ANALYSIS.MXD (06-29-06)

Viewshed Analysis
Figure 1
Appendix B

Mooney · Jones & Stokes

G//Projects/05394.05/Graphics/Russ/Appendix B/Photo1.cdr (6/29/06)

Viewshed Analysis
Photo 1
Appendix B



Mooney · Jones & Stokes

G//Projects/05394.05/Graphics/Russ/Appendix B/Photo2.cdr (6/29/06)

Viewshed Analysis
Photo 2
Appendix B

Mooney · Jones & Stokes

G//Projects/05394.05/Graphics/Russ/Appendix B/Photo3.cdr (6/29/06)

Viewshed Analysis
Photo 3
Appendix B

Mooney · Jones & Stokes

G//Projects/05394.05/Graphics/Russ/Appendix B/Photo4.cdr (6/29/06)

Viewshed Analysis
Photo 4
Appendix B

Mooney · Jones & Stokes

G//Projects/05394.05/Graphics/Russ/Appendix B/Photo5.cdr (6/29/06)

Viewshed Analysis
Photo 5
Appendix B

Mooney · Jones & Stokes

G//Projects/05394.05/Graphics/Russ/Appendix B/Photo6.cdr (6/29/06)

Viewshed Analysis
Photo 6
Appendix B

Appendix D

Existing Outdoor Lighting

Source: Aerial Access (2003)

Mooney · Jones & Stokes

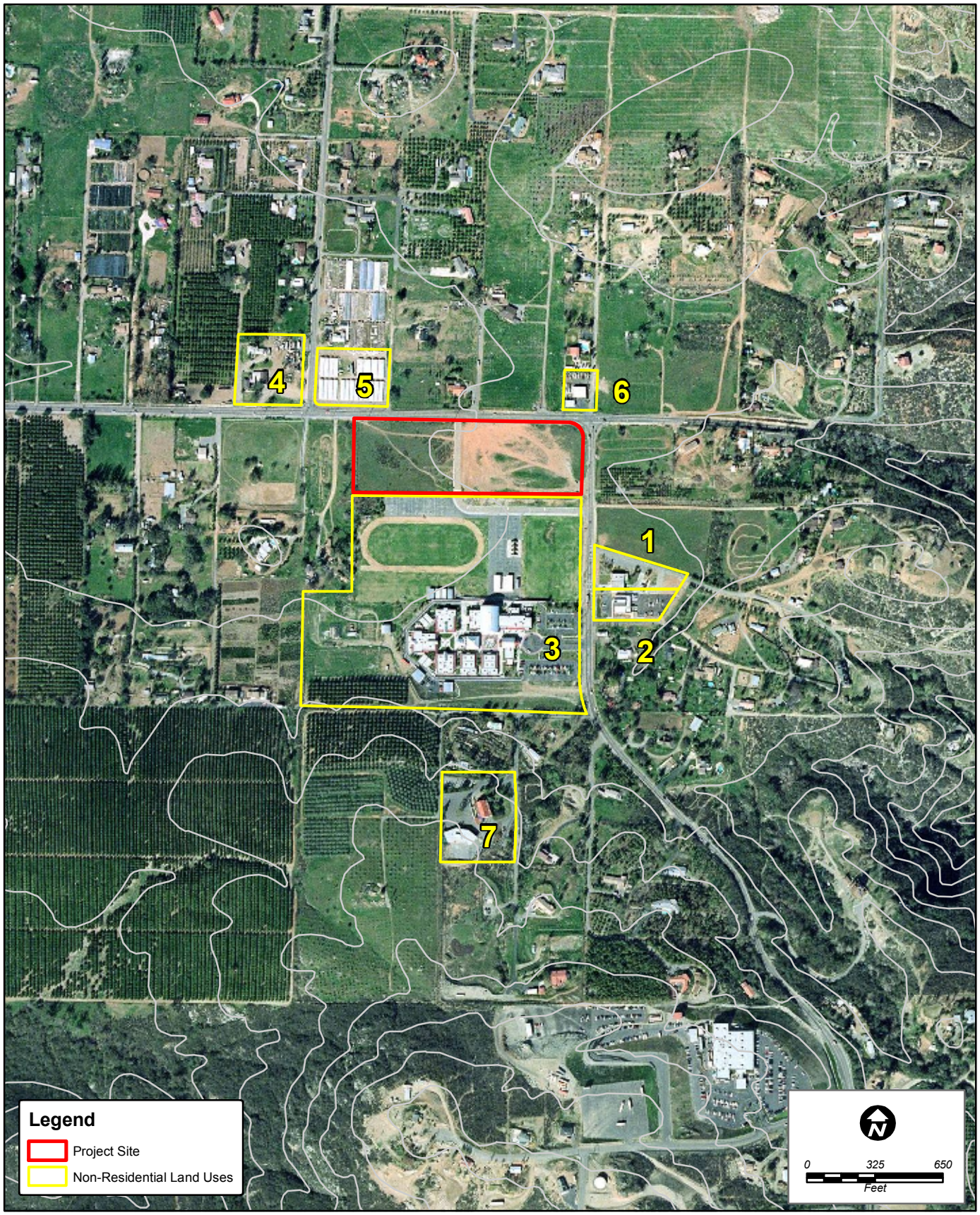
0 100 200
Feet

Existing Outdoor Lighting
Figure 1
Appendix D

G: \ GIS \ 05394_05 \ MXD \ LIGHTING.MXD (06-29-06)

Appendix C

Commercial, Institutional and Civic Uses



Source: Aerial Access (2003)

Commercial, Institutional and Civic Uses
Figure 1
Appendix C

Mooney · Jones & Stokes

G: \ GIS \ 05394_05 \ MXD \ APPENDIX_C \ FIG1.MXD (06-29-06)

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Photo 1 - Valley Center Fire Station No. 78
Appendix C

G//Projects/05394.05/Graphics/Russ/Appendix C/Fire Station.cdr (6/29/06)

Mooney · Jones & Stokes

Photo 2 - Valley Center Sheriff's Station
Appendix C

G//Projects/05394.05/Graphics/Russ/Appendix C/Sheriff Station.cdr (6/29/06)

Mooney · Jones & Stokes

Photo 3 - Valley Center Middle School
Appendix C

G//Projects/05394.05/Graphics/Russ/Appendix C/Middle School.cdr (6/29/06)

Mooney · Jones & Stokes

Photo 4 - Valley Center Feed Store
Appendix C

G//Projects/05394.05/Graphics/Russ/Appendix C/Feed Store.cdr (6/29/06)

Mooney · Jones & Stokes

Photo 5 - Greenhouses
Appendix C

G//Projects/05394.05/Graphics/Russ/Appendix C/Greenhouses.cdr (6/29/06)

Mooney · Jones & Stokes

Photo 6 - Hidden Valley Pump
Appendix C

G//Projects/05394.05/Graphics/Russ/Appendix C/Hidden Valley Pump.cdr (6/29/06)

Mooney · Jones & Stokes

Photo 7 - Ridgeview Church and Preschool
Appendix C

G//Projects/05394.05/Graphics/Russ/Appendix C/Ridgeview church and preschool.cdr (6/29/06)

Appendix E

Baker Electric, inc.

4 Generations since 1938

Engineering Department
Jan Carradine - Director of Engineering
Phone (760) 745-2001 ext. 5111
Fax (760) 745-2193

January 25, 2007

San Pasqual Casino Development Group Employee Parking Lot

The proposed rectangular parking lot runs parallel to Valley Center Road approximately 53' back from the center line, just West of Lake Wohlford Road, North of Valley Center Middle School (VCMD). The County of San Diego Outdoor Lighting Regulations determines the lot to fall within a Class II (Parking and Security), Zone A (within 15 miles of the Palomar Observatory) compliance requirement. The California Energy Commission defines the project as a Lighting Zone 2 (Rural), hardscape parking lot qualifying for a .08 watt per square foot allowance. Hours of operations currently scheduled at 24 hours a day, seven days a week.

To meet the standards of the authorities having jurisdiction (AHJ) for this project, the following criteria would pertain:

Calculated illuminated area = 166877 square feet

Maximum power allotment = 13350 watts

Approved light source = Low Pressure Sodium (LPS)

Fixture design = Full shield cutoff

The design intent is to meet all jurisdictional requirements, without jeopardizing the security, safety or well being of the user. The Illuminating Engineering Society of North America (IES) recommended maintained illuminance values for a basic parking lot are; 0.2 foot-candles (fc), with a uniformity ratio, maximum-to-minimum (M: M) of 20:1. Compliance with the IES standards will minimize owner legal and practical risk.

A field survey took place on Saturday night May 13, 2006 beginning at 10:35 P.M. which was within 24 hours of a full moon. The VCMS's parking and/or exterior sports lights were not on; therefore the readings captured the full moon and existing temporary lighting only.

An accepted measurement of illumination on a full moon is .02fc, one tenth of the IES recommendation for a basic parking lot. The readings taken in the open field between the parking lot and VCMD were .02fc. The highest reading of 38fc was taken on the parking lot under one of the temporary light carts. The typical temporary light carts have a total of 720 watts of LPS mounted at 35'.

Exhibit A describes the proposed fixture, a Spaulding Oakland-LPS OK2AL35H5F. Exhibits B & C are alternate manufactures of LPS lighting, however lamping would have to be customized.

LPS lamps are among the most efficient light sources. The color rendition is poor and normally only used in parking lot and roadway lighting. When the lamps first ignite they will appear very red orange and then fade to a light yellow orange. The LPS light source will make the environment appear monotone gray and may give the perception that there is a lower illumination level. Beside their benefits to the Dark Sky Association, they provide at minimum a 30% increase in efficiency over the popular High Pressure Sodium lamps.

2198 Pacific Oaks Place ▪ Escondido, CA 92029

Exhibit D shows the most desirable mounting as a 22'-6" pole on a 2'-6" concrete pole base, for a total height of 25'. Control would be through a pole mounted photo-cell which would turn on all of the fixtures in the parking lot at sundown and turn them off at dawn.

Exhibit E-1 displays the site plan with 28 perimeter single (120 watt) and 41 interior dual (240 watt) pole lights mounted at 18'-6" above grade. A maximum of 8.69fc and a minimum of .53fc within the paved parking lot area for a 17:1 M: M. The perimeter will fade to less than .01fc within 45' without obstructions. A vegetation buffer ten feet out at a height of 10' will shield the surrounding property from measurable spillage. The 110 fixtures total 13200 watts, 150 less than allowed.

Exhibit E-2 displays the site plan with one dual (360 watt) at each of two entrances, twelve dual (430 watt) facing out to cover the perimeter and eleven dual (360 watt) mounted at 25' above grade; all with 15° tilt. A maximum of 10.92fc and a minimum of .1fc within the paved parking lot area for a 112:1 M: M. The perimeter will fade to less than .01fc within 70' without obstructions. A vegetation buffer ten feet out at the height of 10' will shield the surrounding property from measurable spillage. The 50 fixtures total 9840 watts, 3510 less than allowed. The benefits of this design is 25% less energy use and 33% less fixtures installed without jeopardizing the security, safety or well being of the user.

Lighting is a subjective science. Lumens must reflect off something to be detected. The optimum lighting design is when the fixtures are illuminating the appropriate surfaces without glare. Once there are vehicles parked in the lot there will be wind shields, mirrors and auto bodies that will reflect the lumens in any number of directions, some may even be above the 90° cut off angle. On the other hand lumens can not pass through opaque materials; therefore auto bodies may hinder an even distribution and create dark areas.

It is Baker Electric's opinion that the proposed designs will comply with the AHJ; provide an appropriate safe illumination with the least amount of light spillage and inadvertent glare.

Exhibit F-1 is the point-to-point photometric graphic for Baker's proposed design as defined in Exhibit E-1 using the Exhibit A fixtures.

Exhibit F-2 is the point-to-point photometric graphic for Baker's proposed design as defined in Exhibit E-2 using Exhibit A fixtures.

Exhibit G is a point-to-point photometric graphic for the Exhibit A fixture mounted at 15'-0". A maximum of 12.85fc and a minimum of .33fc within the paved parking lot area for a 40:1 M: M. The perimeter will fade to less than .01fc within 45' without obstructions. A vegetation buffer ten feet out at a height of 10' will shield the surrounding property from measurable spillage. The 110 fixtures total 13200 watts, 150 less than allowed.

Exhibit H is a point-to-point photometric graphic for the Exhibit B fixture mounted at 15'-0". A maximum of 14.33fc and a minimum of .17fc within the paved parking lot area for an 84:1 M: M. The perimeter will fade to less than .01fc within 45' without obstructions. A vegetation buffer ten feet out at a height of 10' will shield the surrounding property from measurable spillage. The 110 fixtures total 11550 watts, 1800 less than allowed.

Exhibit J includes mandatory Title 24 compliance forms based on the design E-2 Design, stamped, signed and ready for submittal to plan check.

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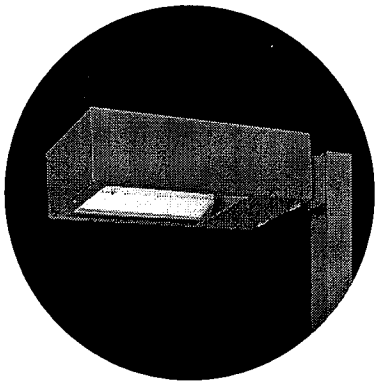
OAKLAND - LPS

SINGLE OR TWIN LAMP



Features

- Formed and welded aluminum housing with optional embossed decorative band and color vinyl trim stripe.
- Formed aluminum door with clear, flat polycarbonate lens, fully gasketed to housing. Hinged door secured with one captive screw on arm mount luminaire, and two captive screws on yoke, parallel pole, and parallel wall mount luminaires.
- Extruded aluminum arm available with removable cover plate on bottom side to allow wiring connections in arm. Yoke mount has two square arms attaching housing to square slipfitter for 2 3/8" OD tenon. Parallel pole mount luminaire flush mounts to pole. Parallel wall mount includes 1" deep mounting bracket.
- Prepainted, white aluminum reflectors provide Type IV or V light patterns. Parallel mount luminaires available with Type IV only.
- LAMP and lamp support device INCLUDED.
- Enclosed socket, with nickel plated brass contact for single ended, bayonet base LPS lamp.
- HR type ballast, HPF, starting rated at -20°F.

Ordering Information

Example: OK1 - PP - L55 - H4 - F - 1 - BL - F1

Series	Mount	Lamp/ Watts	Orient./ Dist.	Lens	Volts	Color	Options

Series
- OK1 Single Lamp
- OK2 Twin Lamps

Mounting
- A Arm Mount (arm not included, order separately)
- YT Yoke Mount (2 3/8" tenon)
- PP Parallel Pole Mount
- PW Parallel Wall Mount[2]

Lamp Type/Wattage[1]

Low Pressure Sodium
- L35 35W (T-17)
- L55 55W (T-17)
- L90 90W (T-21)
- L13 135W (T-21)
- L18 180W (T-21)

Lamp Orientation/Distribution
- H4 Horiz. IV
- H5 Horiz. V (square)

Lens
- F Flat

Voltage
- 1 120V[3]
- 2 208V[3]
- 3 240V[3]
- 4 277V[3]
- 5 480V
- 6 347V

Color
- DB Dark Bronze
- BL Black
- WH White
- GR Gray
- PS Platinum Silver
- RD Red (Premium Color)
- FG Forest Green (Premium Color)
- CC Custom Color (Consult Factory)

Options
- F1 Fusing - 120V
- F2 Fusing - 208V
- F3 Fusing - 240V
- F4 Fusing - 277V
- F5 Fusing - 480V
- F6 Fusing - 347V
- PR1 Photo Cell Receptacle - 120V
- PR2 Photo Cell Receptacle - 208V
- PR3 Photo Cell Receptacle - 240V
- PR4 Photo Cell Receptacle - 277V
- PR5 Photo Cell Receptacle - 480V
- PR6 Photo Cell Receptacle - 347V
- EB Embossed Band
- RDB Reveal (Dark Bronze)
- RBL Reveal (Black)
- RWH Reveal (White)
- RGR Reveal (Gray)
- RPS Reveal (Platinum Silver)
- RRD Reveal (Red)
- RFG Reveal (Forest Green)

Arm Logic - Order Separately

Series
- ARM-O-LPS Oakland I/II Rigid Arm

Luminaire Shape
- O Oakland I/II LPS

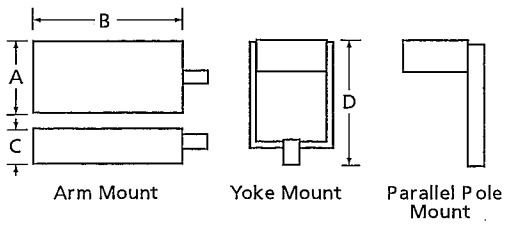
Arm Length
- 6 6" Arm (EPA = 0.24 ft², 3.5 lbs) (0.02 m², 1.5 kg)
- 12 12 1/2" Arm (EPA = 0.5 ft², 6 lbs) (0.04 m², 2.7 kg)

Pole Shape
- S Square
- R4 Round Straight (4-4.5")
- R5 Round Straight (5")
- R6 Round Straight (6")
- T2 Round Tapered (2.5")
- T3 Round Tapered (3")
- T35 Round Tapered (3.5")
- T4 Round Tapered (4")

Color
- DB Dark Bronze
- BL Black
- WH White
- GR Gray
- PS Platinum Silver
- RD Red (Premium Color)
- FG Forest Green (Premium Color)

1 Lamps and lamp support devices included.
2 Not available on Oakland 2
3 Multi-Tap ballast used.
Note For Photocontrol Equipment, see Hubbell Outdoor Offering.

Dimensions



	A	B	C	D	EPA	Weight
L35	15" 381 mm	24 3/4" 629 mm	8 1/4" 210 mm	27 1/2" 699 mm	1.6 ft² 0.2 m²	40 lbs. 18.1 kg
L55	15" 381 mm	24 3/4" 629 mm	8 1/4" 210 mm	27 1/2" 699 mm	1.6 ft² 0.2 m²	40 lbs. 18.1 kg
L90	15" 381 mm	29" 737 mm	8 1/4" 210 mm	27 1/2" 699 mm	1.9 ft² 0.2 m²	46 lbs. 20.8 kg
L13	15" 381 mm	40" 1016 mm	8 1/4" 210 mm	27 1/2" 699 mm	2.7 ft² 0.3 m²	64 lbs. 29 kg
L18	15" 381 mm	53" 1346 mm				

Note: Weights and EPA
Note: Yoke mount adds

EXHIBIT A
1 OF 3

SPAULDING LIGHTING

LitePro

Photometric Data Summary

LUMINAIRE: OK2-L35-H5-F
OAKLAND 2-LPS RECTANGULAR AREA LIGHT
BALLAST: STD
BALLAST FACTOR: 1.00
LAMP: SOX-035
LUMENS PER LAMP: 9600
WATTS: 120
SPACING CRITERION: 0º = N/A 90º = N/A
LUMINOUS OPENING IN FEET
LENGTH: 1.30
WIDTH: 1.07
HEIGHT: 0.00

TEST #L3623OK
DATE: 6/15/2006
TOTAL LUMINAIRE EFFICIENCY = 44.2%

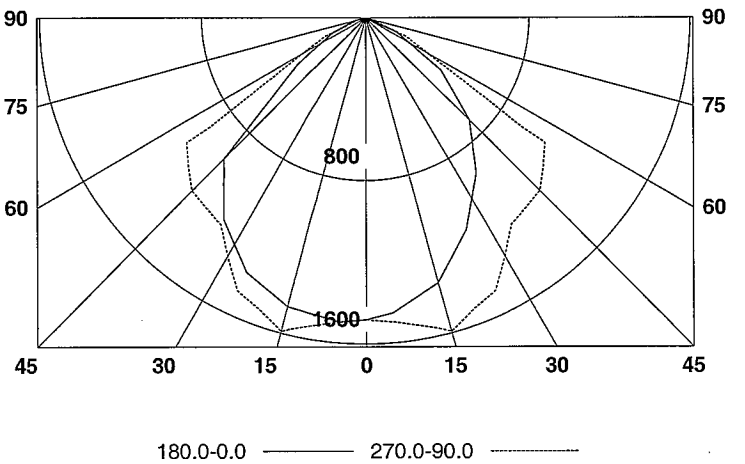
ZONAL LUMENS

ZONE	LUMENS	% LAMP	% FIXTURE
0-30	1220	12.7	28.7
0-40	2008	20.9	47.3
0-60	3591	37.4	84.6
0-90	4245	44.2	100.0
0-180	4245	44.2	100.0

CANDELA SUMMARY

ANGLE	0.0	40.0	90.0	130.0	180.0
0.0	1479	1479	1479	1479	1479
5.0	1452	1456	1496	1479	1496
15.0	1345	1359	1590	1550	1465
25.0	1146	1319	1479	1545	1376
35.0	932	1110	1234	1345	1208
45.0	710	813	1199	1057	977
55.0	444	613	1066	915	400
65.0	164	213	222	591	178
75.0	0	22	44	178	62
85.0	0	0	0	58	0
90.0	0	0	0	0	0

INDOOR CANDELA PLOT



THIS REPORT IS BASED ON IES TEST DATA FOR A SPECIFIC LAMP/BALLAST COMBINATION. OTHER LAMP/BALLAST COMBINATIONS MAY PRODUCE ERRONEOUS RESULTS. THE BALLA LUMEN OUTPUT RATING ASSIGNED TO THE LAMP(S) OR TO THE CANDELA VALUES SHOWN

EXHIBIT A
2 OF 3

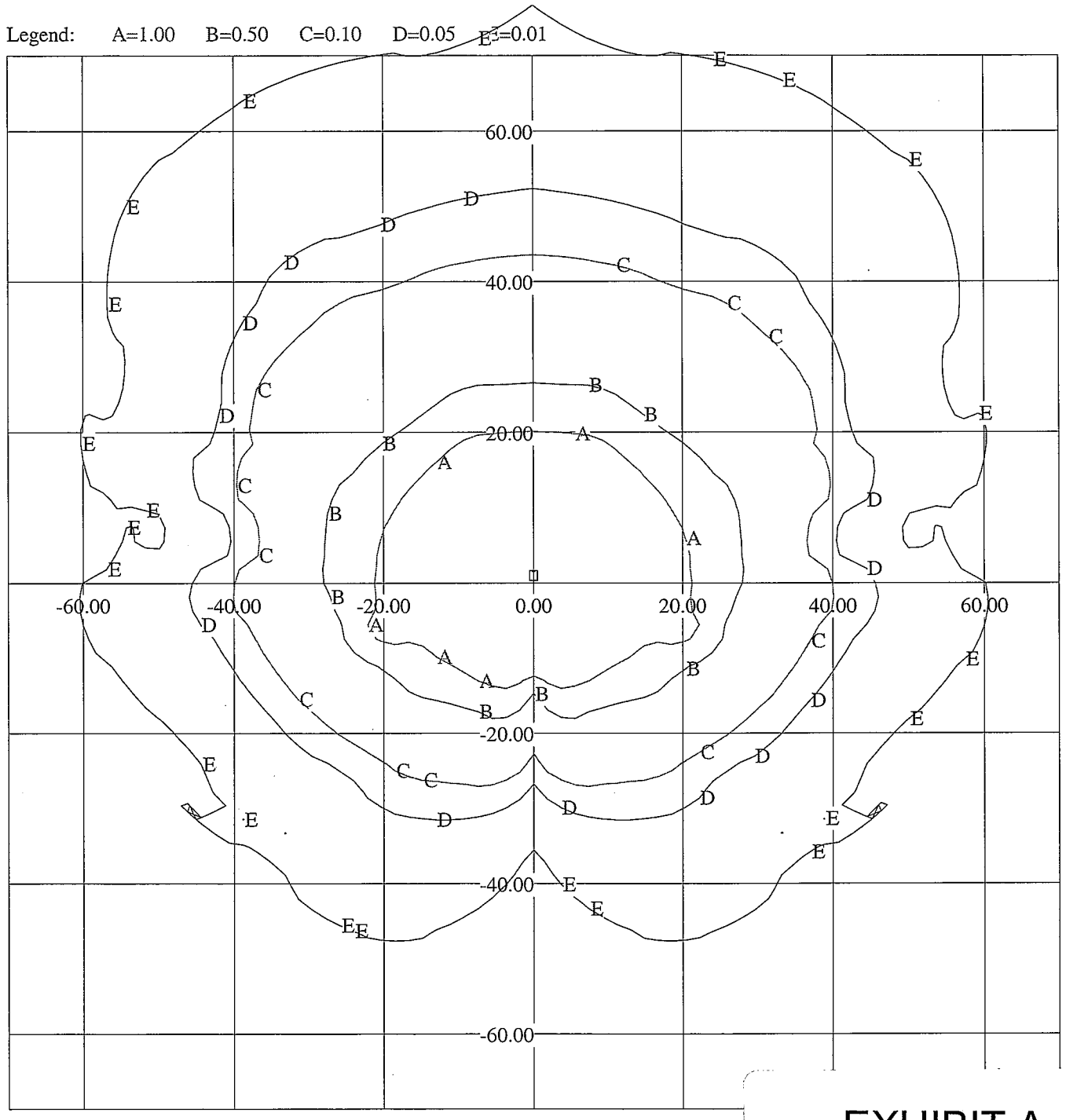
CONTOUR PLOT

Jun 16, 2006

TEST #: L3623OK
CATALOG #: OK2-L35-H5-F
LAMP: SOX-035
TOTAL LUMENS: 9600
LLF: 1.00
ILLUM. UNITS: FC
SCALE: 1 IN= 20.0FT

ASSEMBLY CONFIGURATION (FEET): Custom 1 lums.

MT HGT	ARM LEN	ARM ORN	LUM ORN	TILT	ROLL
18.50	1.00	0.00	0.00	15	0



Generated by LitePro version 2.018, which is provided and supported by Columbia Lighting, Alera, and Prescolite. Calculations are performed in accordance with IESNA procedures. Columbia, Alera, and Prescolite are not responsible for the light output of lamps and ballasts, or design variables not shown.

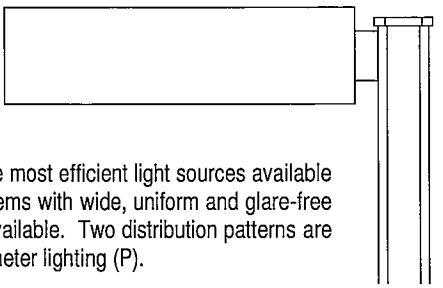
EXHIBIT A
3 OF 3

Notes:

Job:
Type:

FORM 10

LPS - LOW PRESSURE SODIUM



GENERAL DESCRIPTION: The Form 10 low pressure sodium luminaire combines one of the most efficient light sources available with advanced optical technology. Through Gardco's leadership in sharp cutoff reflector systems with wide, uniform and glare-free light distribution, a lamp and luminaire package unequaled in performance and efficiency is available. Two distribution patterns are offered; a rectangular pattern for area applications (A) and an asymmetric distribution for perimeter lighting (P).

ORDERING

LPS luminaires meet IESNA Full Cutoff criteria.

PREFIX	CONFIGURATION	DISTRIBUTION	WATTAGE	VOLTAGE	FINISH	OPTIONS

Enter the order code into the appropriate box above. Note: Gardco reserves the right to refuse a configuration. Not all combinations and configurations are valid. Refer to notes below for exclusions and limitations. For questions or concerns, please consult the factory.

PREFIX

LA14[7]	*End Arm Mount, Pole*
LSA14[5]	*Side Arm Mount, Pole*
LP14[2,5,7]	*End Direct Mount, Pole*
LSP14[5]	*Side Direct Mount, Pole*
LJ14[1,3,4]	*Post Top Mount*
LW14[1,6]	*Side Wall Mount*

1. *Single configuration only.*
2. *LP Style luminaires should be mounted to CA5, CA6 or SSA poles only.*
3. *LJ Style luminaires furnished with Gardco Poles will be supplied with a square fitter for cruciform, SSA and SSS poles. A round fitter will be supplied for round poles.*
4. *LJ Style luminaires furnished for poles by others will be supplied with a 5" O.D. fitter for a 4" x 6" tenon or a 3.5" O.D. fitter for a 2 3/8" x 4" tenon.*
5. *LP, LSP and LSA luminaires may not be ordered in 2-way @ 90°, 3-way or 4-way configurations.*
6. *LW luminaires are available with Type P-Perimeter optics only.*
7. *LA and LP with Type P, Perimeter optics permit 180° optical system rotation to provide light in the desired direction.*

CONFIGURATION

1	Single Assembly
2	Twin Assembly
3	Triple at 90º *(LA14 only)*
4	Quad Assembly *(LA14 only)*

DISTRIBUTION

A	Area Distribution, Type V
P	Perimeter Distribution, Type IV

WATTAGE

55LPS
90LPS
135LPS
180LPS

VOLTAGE

120
208
240
277
480

FINISH

BRP	Bronze Paint
BLP	Black Paint
WP	White Paint
NP	Natural Aluminum Paint
BLA	Black Anodized
BRA	Bronze Anodized
NA	Natural Aluminum Anodized
OC	Optional Color Paint *Specify RAL designation ex: OC-RAL7024*
SC	Special Color Paint *Specify Color. Must supply color chip.*

OPTIONS

F	Fusing *(In Head)*
LF	In-Line/In-Pole Fusing
PC	Photocontrol and Receptacle *(N/A with 480V)*
PCR	Photocontrol Receptacle only
POLY	Polycarbonate Lens *(In lieu of Acrylic)*
PTF2	Pole Top Fitter - 2 3/8" Dia. Tenon
PTF3	Pole Top Fitter - 3-3 1/2" Dia. Tenon
PTF4	Pole Top Fitter - 3 1/2-4" Dia. Tenon
MF	Mast Arm Fitter

Gardco Lighting reserves the right to change materials or modify the design of its product without notification as part of the company's continuing product improvement program.

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A Genlyte Company

Gardco Lighting
2661 Alvarado St
San Leandro, CA

EXHIBIT B
1 OF 2

FORM 10

LPS - LOW PRESSURE SODIUM

SPECIFICATIONS

GENERAL DESCRIPTION: Each Gardco Form 10 LPS unit is a rectilinear luminaire that meets all criteria of the Illuminating Engineering Society's cutoff classification.

HOUSING: Housing side sections are composed of precisely mitered and welded aluminum extrusions. Tops are press-formed and internally welded to the housing sides. Pressure injected silicone provides a continuous weather-tight seal at all miters and points of material transition.

DOOR/LENS ASSEMBLY: The door frame is constructed of mitered and welded anodized aluminum sections. The optically clear, non-yellowing, impact-resistant acrylic lens is secured in the door frame. Corrosion resistant, hollow core, memory retentive silicone gaskets seal both the lens to the door frame and the door frame to the housing.

REFLECTOR ASSEMBLY: The Form 10 reflector systems are constructed of homogeneous sheet aluminum that is electrochemically brightened, anodized and sealed. The highly specular reflector segments are precisely positioned to produce either an area distribution pattern (A) that conforms to an IES Type V or a perimeter distribution pattern (P) that conforms to an IES Type IV. Luminaires have lamp stabilizers positioned to secure LPS lamps irrespective of lamp length that may vary by manufacturer.

ELECTRICAL: All luminaires utilize magnetic ballasts that are high power factor and designed for reliable lamp starting to -20ºF. The electrical components are mounted on a unitized tray and prewired with quick electrical disconnects.

FINISH: Housings are finished with an Architectural Class 1 anodizing or TGIC polyester powdercoat.

LABELS: All fixtures bear UL or CUL (where applicable) Wet Location labels.

LUMINAIRE EPAS

Wattage	Dimension"A"	LP14		LA14		LJ14	LSA14, LSP14
		1 Way	2 Way	1 Way	2 Way	1 Way	1 & 2 Way
180	48"	2.90	5.80	2.97	5.94	3.03	2.90
135	34 3/8"	2.08	4.16	2.15	4.30	2.21	2.08
90	24 5/8"	1.49	2.98	1.56	3.12	1.62	1.49
55	24 5/8"	1.49	2.98	1.56	3.12	1.62	1.49

DIMENSIONS

1 and 2 way @180° use 4" arms
3,4 and 2 way @90° use 6" arms

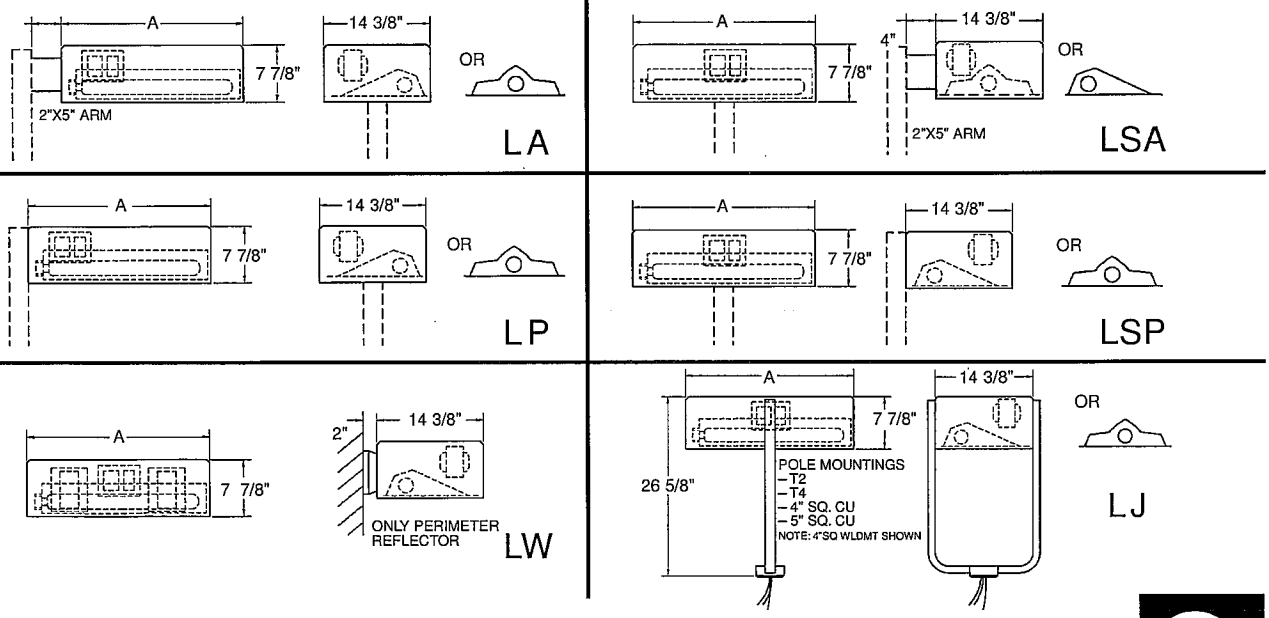

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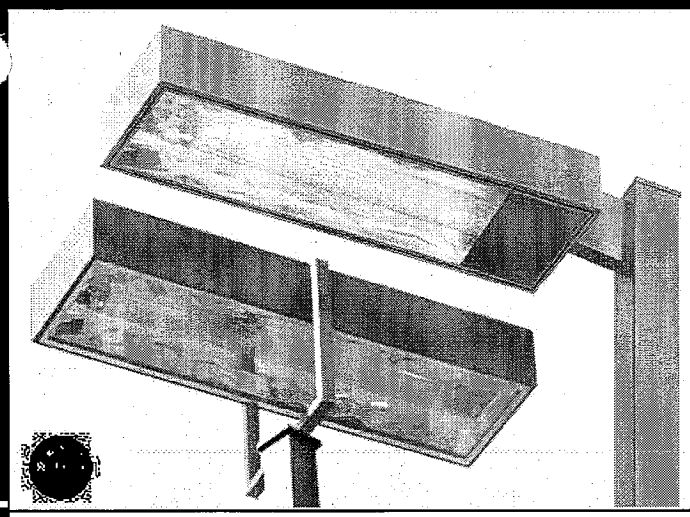
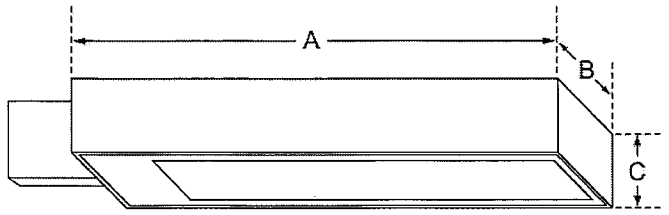
EXHIBIT B
2 OF 2

Sunset

LPS Lighting

Dimensional Drawings





Fixture	A	B	C	Max. Watt	EPA
SUN-1	24"	15"	9"	55w	2.0
SUN-2	29"	15"	9"	90w	2.3
SUN-3	29"	20"	9"	2 x 90w	2.7
SUN-4	52"	15"	9"	180w	3.7

LPS

The **Sunset** family of luminaires are designed to maximize the benefits of low pressure sodium light sources with unmatched lumens per watt, low glare, and energy-saving performance. An excellent choice for roadways, streetlighting, bridges, general area lighting, and applications requiring large numbers of fixtures with very economical electrical usage and environmentally-friendly Dark Sky compliance.

LENS: Clear, impact resistant Lexan, secured with galvanized lens retainers, and sealed with form fitting silicone gasketing.

FIXTURE: Precision CNC sheared and formed .080 gauge aluminum housing and door assembly. Available in four sizes for different wattages. All external hardware is stainless steel.

MOUNTING ARM: Extruded aluminum bolt-on arm. Optional yoke mount and parallel pole mount.

OPTICS: Precision CNC cut and bent , multi-faceted, segmented, 95% reflective aluminum reflector for IES Types III and IV light distribution.

FINISH: Durable Quali-Guard® thermoset polyester powder coat textured finish in a selection of architectural colors.

LAMP: LPS lamps from 55 through 180 watts, providing high lumens per watt, superior energy efficiency, and quick restrike.

BALLAST: HPF high reactance auto transformer, factory wired and tapped to voltage requirement.

Model No. **SUN**	Optics	Wattage	Source	Voltage	Mounting	Finish	Options

Model	Optics	Wattage	Source	Voltage	Mounting	Finish	Options
☐ **SUN-1**	☐ Type III **(T3)**	☐ 55 **(55)**	☐ LPS **(L)**	☐ 120 **(1)**	☐ Bolt-On-Arm **(BOA)**	☐ Bronze **(BZ)**	Photocell & Receptacle **Specify voltage* ☐ **(PC120)** ☐ **(PC208)** ☐ **(PC240)** ☐ **(PC277)** ☐ **(PCR480)**
☐ **SUN-2**	☐ Type IV **(T4)**	☐ 90 **(90)**		☐ 208 **(2)**	☐ Parallel Pole Mount **(PPM)**	☐ Black **(BK)**	☐ Photo Receptacle **(PER)** **With Shorting Cap*
☐ **SUN-3**		☐ 90 x 2 **(90 x 2)**		☐ 240 **(3)**	☐ Yoke Mount **(YM)**	☐ White **(WH)**	☐ Terminal Block **(TB)**
☐ **SUN-4**	*Type IV distribution is typically used when fixtures are Parallel Pole Mount .	☐ 180 **(180)** *Note:Ballasts come standard 135/180w, 90w, & 35/55w.		☐ 277 **(4)**		☐ Green **(GN)**	☐ Light Shield **(LS)**
				☐ 480 **(5)**		☐ Grey **(GY)**	Fusing **Single In-Line Fuse* **Specify voltage* ☐ **(SF120)** ☐ **(SF277)** **Double In-Line Fuse* **Specify voltage* ☐ **(DF208)** ☐ **(DF240)** ☐ **(DF480)**
				☐ M.Tap* **(6)**		☐ Silver Metallic **(SL)**	
				*Multi-Tap ballast is standard and factory wired at 277 volts unless other voltage is specified.		☐ Custom **(CC)**	

For more detailed information on mounting, wiring, or installation instructions, please consult factory. Note that if Poles are not ordered with fixtures, please specify the mounting requirements. This do
information requires the written approval of Visionaire Lighting, LLC. In keeping with our TQM policy of continuous improvement, Visionaire reserves the right to change ar

VISIONAIRE LIGHTING

19645 Rancho Wa
Tel: (310) 51
www.

EXHIBIT C

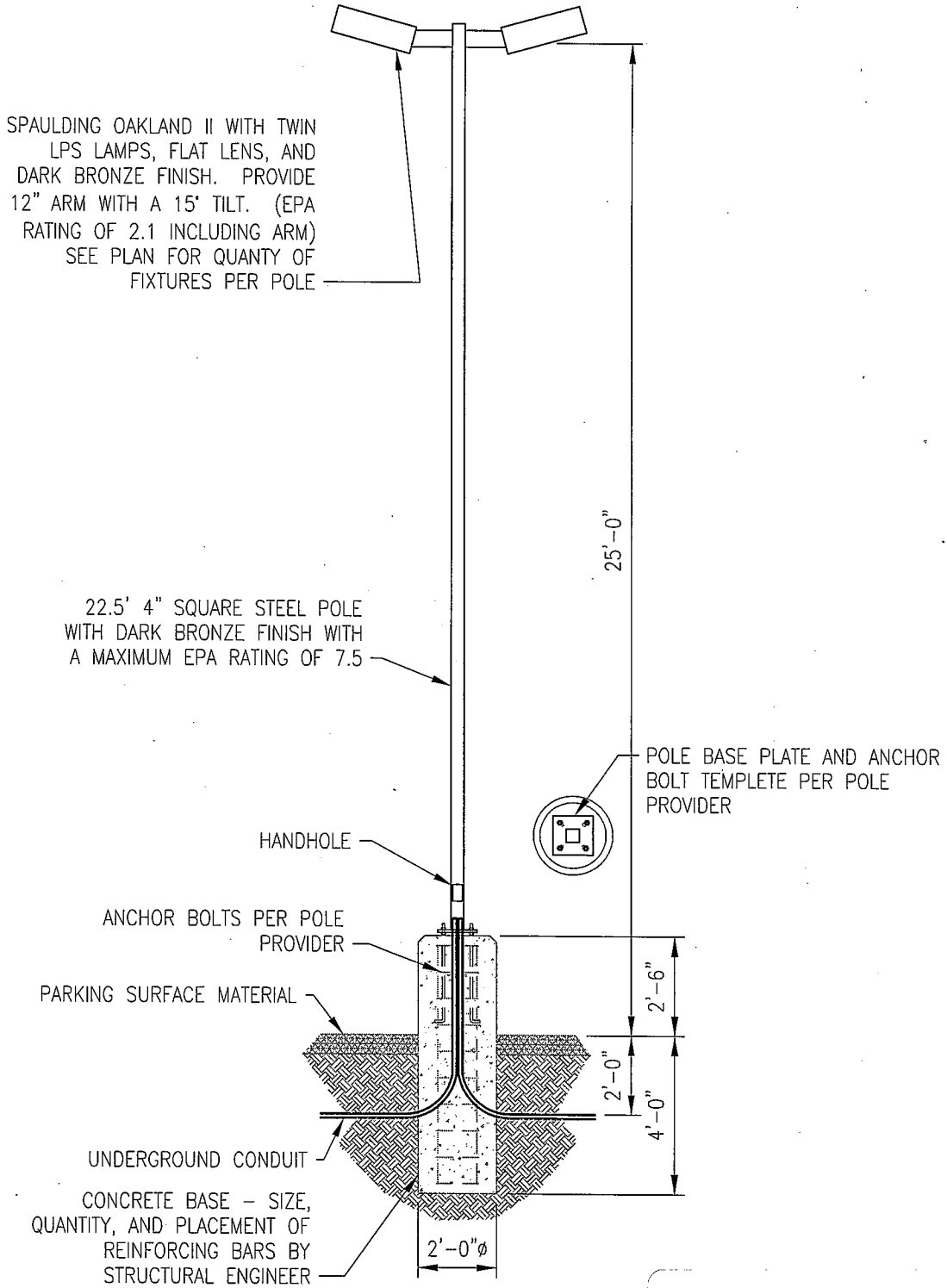
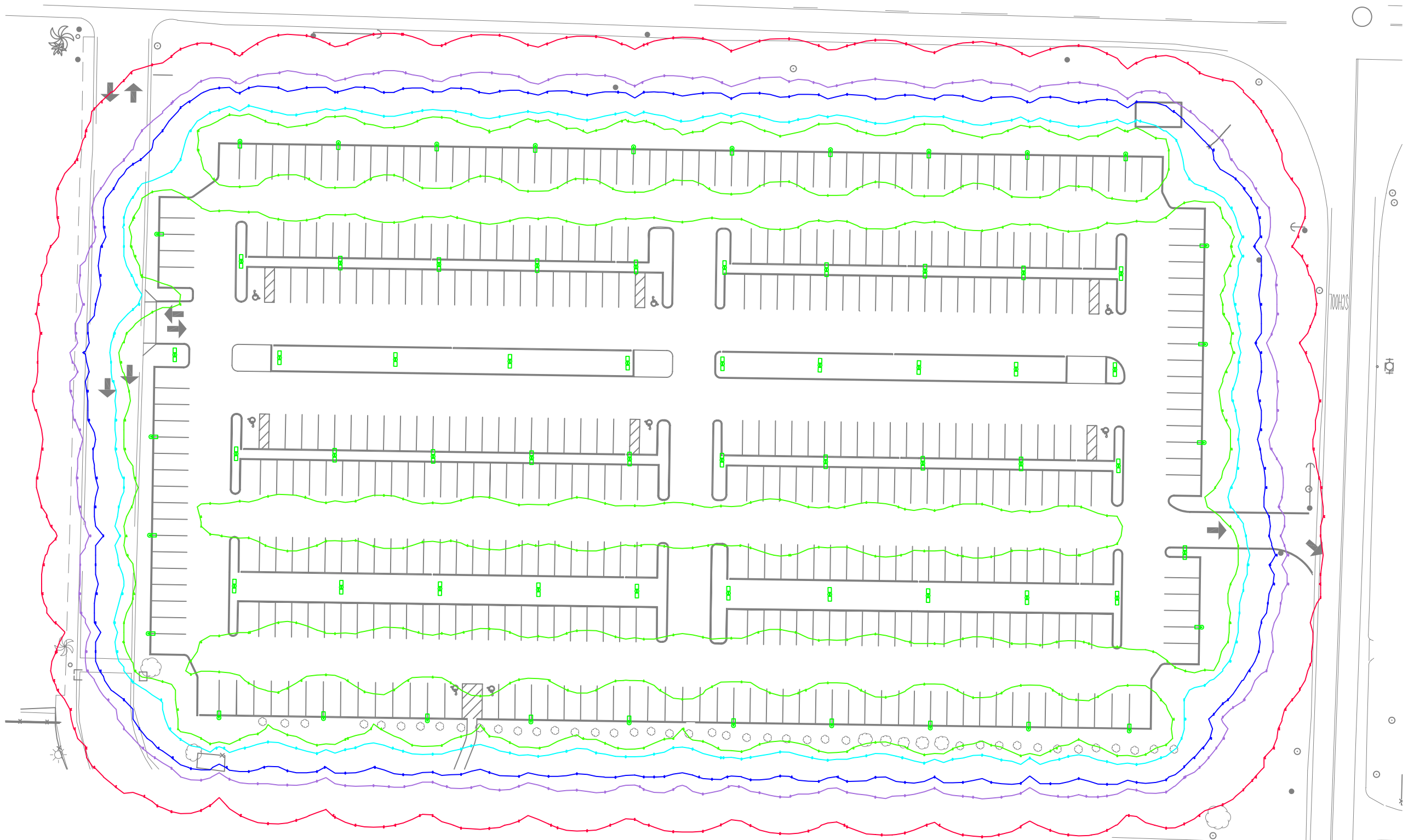

SPAULDING OAKLAND II WITH TWIN LPS LAMPS, FLAT LENS, AND DARK BRONZE FINISH. PROVIDE 12" ARM WITH A 15° TILT. (EPA RATING OF 2.1 INCLUDING ARM) SEE PLAN FOR QUANTY OF FIXTURES PER POLE
25'-0"
22.5' 4" SQUARE STEEL POLE WITH DARK BRONZE FINISH WITH A MAXIMUM EPA RATING OF 7.5
POLE BASE PLATE AND ANCHOR BOLT TEMPLETE PER POLE PROVIDER
HANDHOLE
ANCHOR BOLTS PER POLE PROVIDER
PARKING SURFACE MATERIAL
2'-6"
2'-0"
4'-0"
UNDERGROUND CONDUIT
CONCRETE BASE - SIZE, QUANTITY, AND PLACEMENT OF REINFORCING BARS BY STRUCTURAL ENGINEER
2'-0"ø

EXHIBIT D



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CALCULATION SUMMARY										
AREA NAME	DIMENSIONS	GRID / TYPE	# PTS	SPAC	GROUP	AVE	MAX	MIN	MAX/MIN	AVE/MIN
Spaulding	739.50x556.13Ft	rmp / H-H	8277	5.00	<+> Off Site L	0.10	2.38	0.00	N/A	N/A
			6909	5.00	<*> Parking Ar	2.38	8.69	0.53	16.56	4.54

3.5 Acre Parking Lot (10533) LUMINAIRE SCHEDULE							
TYP	SYMBOL	DESCRIPTION	LAMP	LUMENS	MOUNTING/BALLAST	LLF	QTY
A1		Spaulding 1-OK2-Spaulding (1) "CA" OK2-L35-H5-F	(2) SOX-035	9600	Twin 35W LPS 18.5'h-15° Tilt	1.00	28
A2		Spaulding 2-OK2-Spaulding (2) "CA" OK2-L35-H5-F	(4) SOX-035	9600	Twin 35W LPS 18.5'h-15° Tilt	1.00	41

CONTOUR LEVELS

A = 1.00fc	(80)
B = 0.50fc	(130)
C = 0.10fc	(170)
D = 0.05fc	(193)
E = 0.01fc	(240)

SCALE: 1" = 20'-0"
GRAPHIC SCALE (FEET)
0 5 10 15 20 30 40 50 60

EXHIBIT E-1

THIS DRAWING & THE MATERIAL CONTAINED THEREIN ARE THE PROPERTY OF BAKER ELECTRIC & SHALL NOT BE REPRODUCED, COPIED OR OTHERWISE DISPOSED OF DIRECTLY OR INDIRECTLY & SHALL NOT BE USED IN WHOLE OR PART TO ASSIST IN THE MAKING OF OR FOR THE PURPOSE OF FURNISHING ANY INFORMATION FOR THE MAKING OF DRAWINGS, PRINTS APPARATUS OR PARTS THEREOF WITHOUT FULL KNOWLEDGE & WRITTEN CONSENT OF BAKER ELECTRIC.

REV.	DATE	BY	DESCRIPTION

Baker Electric, Inc.
1266 Puerta Cielo Place
Escondido, CA
(760) 745-2003
(858) 558-1660

REMOTE PARKING LOT

VALLEY VIEW CASINO

SITE LIGHTING DISTRIBUTION PLAN

E3

DATE: MAY 10, 2006

THIS DRAWING & THE MATERIAL CONTAINED THEREIN ARE THE PROPERTY OF BAKER ELECTRIC & SHALL NOT BE REPRODUCED, COPIED OR OTHERWISE DISPOSED OF DIRECTLY OR INDIRECTLY & SHALL NOT BE USED IN WHOLE OR PART TO ASSIST IN THE MAKING OF OR FOR THE PURPOSE OF FURNISHING ANY INFORMATION FOR THE MAKING OF DRAWINGS, PRINTS APPARATUS OR PARTS THEREOF WITHOUT FULL KNOWLEDGE & WRITTEN CONSENT OF BAKER ELECTRIC.

BAKER JOB NUMBER: 10573

DXF file created by LitePro 2.021 on 1/25/2007 3:01:09 PM

CALCULATION SUMMARY

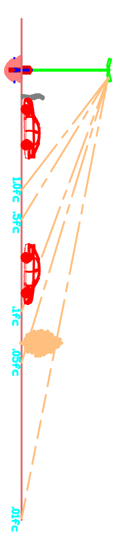
AREA NAME	GROUP	AVE	MAX	MIN	MAX/MIN	AVE/MIN
Remote Parking	Off Site Area	0.06	6.78	0.00	N/A	N/A
	Parking Area	2.33	10.97	0.10	111.83	23.77

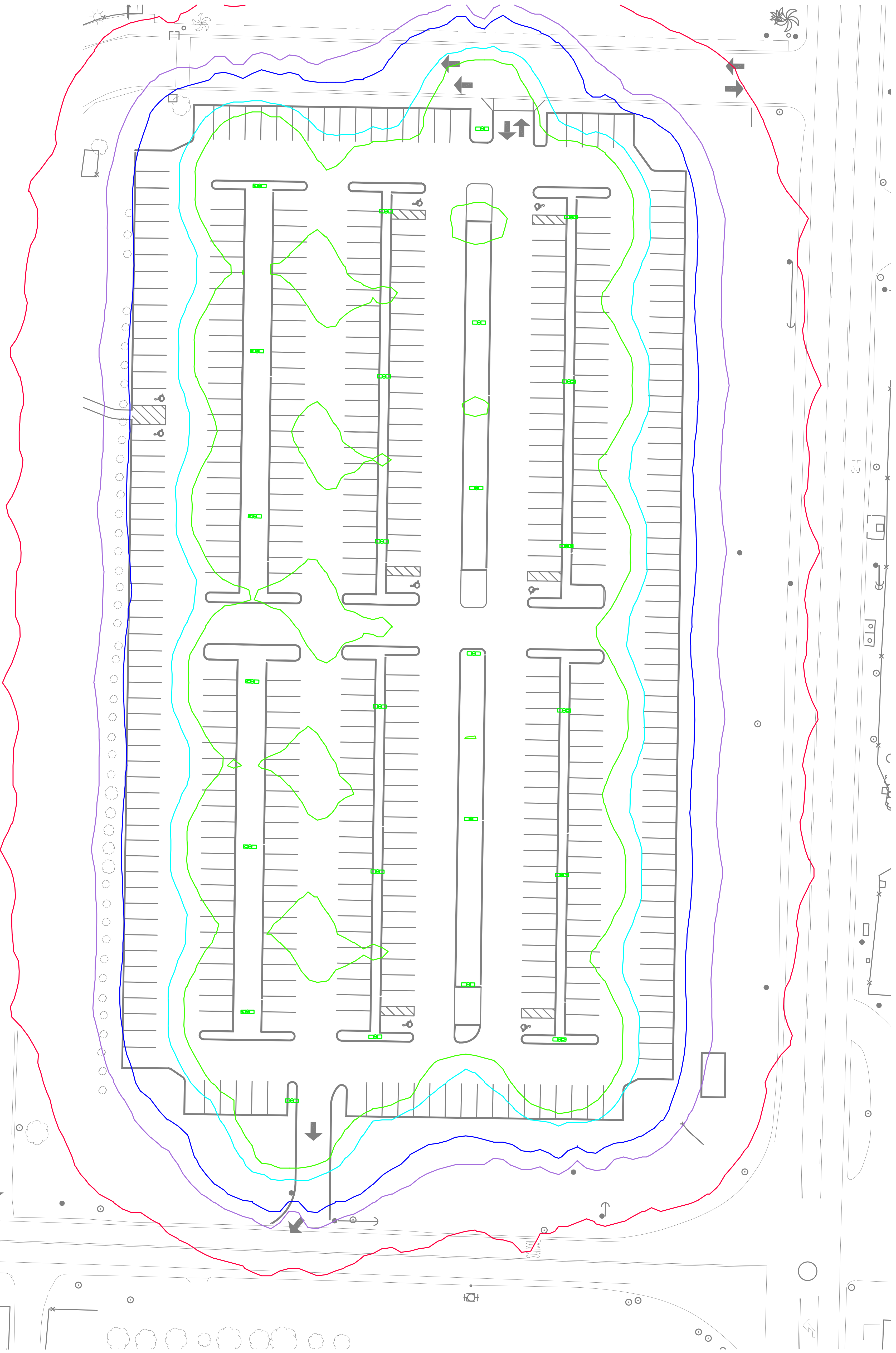
3.5 Acre Parking Lot (10673) LUMINAIRE SCHEDULE

TYP	SYMBOL	DESCRIPTION	LAMP	LUMENS	MOUNTING/BALLAST	LLF	QTY
A2	CB CB	Spaulding Z-OKI-Spaulding (2) "CB" OK2-L55-H5-F	(2) SOX-055	16000	Twin 55W LPS 24.5'mh 15'tilt	1.00	13
A3	CC CB	Spaulding Z-OKI-Spaulding (1) "CB" OK2-L55-H5-F (1) "CC" OK2-L90-H5-F	(2) SOX-055 (2) SOX-090	16000 27000	55W & 90W LPS 24.5'mh 15'tilt	1.00 1.00	12

CONTOUR LEVELS
A = 1.00fc (80)
B = 0.50fc (130)
C = 0.10fc (170)
D = 0.05fc (183)
E = 0.01fc (240)

EXHIBIT E-2





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BAKER JOB NUMBER: 10673

DATE: January 23, 2007

E2

SITE LIGHTING DISTRIBUTION PLAN

VALLEY VIEW CASINO

REMOTE PARKING LOT

REV.	DATE	BY	DESCRIPTION

Baker Electric, inc.
1298 Pacific Oaks Place
Escondido, CA
(760) 745-2001
(858) 566-1980

6/14/2006

LitePro 2.018 Point-By-Point Results

PROJECT: 3.5 Acre Parking Lot/10533 GROUP: Remote Parking T24 AREA: Spaulding GRID: rmp
PREPARED BY:
VALUES ARE FC, SCALE: 1 IN= 80.0FT, HORZ GRID (U), HORZ CALC, Z= 0.0

Computed in accordance with IES recommendations

Statistics

GROUP	MIN	MAX	AVE	AVE/MIN	MAX/MIN
(+) Off Site Ltg	0.00	2.38	0.10	N/A	N/A
(*) Parking Area	0.53	8.69	2.38	4.54	16.56

Luminaires Used

TYPE	QTY	TEST#	DESCRIPTION
A1	28	--------	1-OK2-Spaulding, Twin 35W LPS, 18.5'h-15° Tilt (1) CA <OK2-L35-H5-F>, LLF= 1.00;
A2	41	--------	2-OK2-Spaulding, Twin 35W LPS, 18.5'h-15° Tilt (2) CA <OK2-L35-H5-F>, LLF= 1.00;

CONTOUR LEVELS:- = 1.00 -- = 0.50 .. = 0.10 -. = 0.05 -.. = 0.01

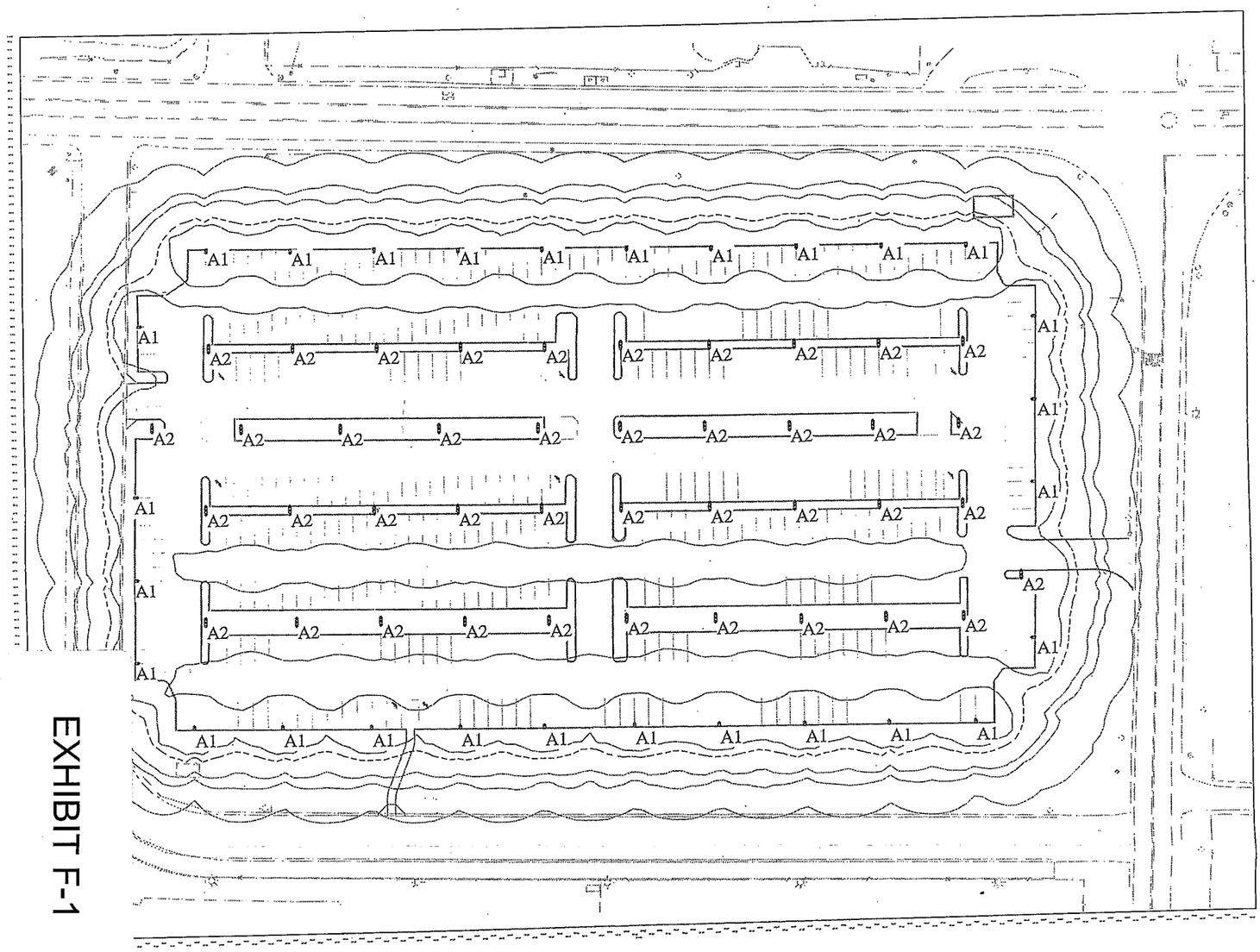

EXHIBIT F-1

LitePro 2.021 Point-By-Point Results 1/25/2007

PROJECT: 3.5 Acre Parking Lot/10673 GROUP: Mixing 55W & 90W LPS AREA: Spaulding GRID: rmp
PREPARED BY: Baker Electric, Inc.
VALUES ARE FC, SCALE: 1 IN= 80.0FT, HORZ GRID (U), HORZ CALC, Z= 0.0

Computed in accordance with IES recommendations

Statistics

GROUP	MIN	MAX	AVE	AVE/MIN	MAX/MIN
(+) Off Site Ltg	0.00	6.78	0.06	N/A	N/A
(*) Parking Area	0.10	10.97	2.33	23.77	111.83

Luminaires Used

TYPE	QTY	TEST#	DESCRIPTION
A2	13	--------	2-OKII-Spauldin, Twin 55W LPS, 24.5'mh 15°tilt (2) CB <OK2-L55-H5-F>, LLF= 1.00;
A3	12	--------	2-OKII-Spauldin, 55W & 90W LPS, 24.5'mh 15°tilt (1) CB <OK2-L55-H5-F>, LLF= 1.00; (1) CC <OK2-L90-H5-F>, LLF= 1.00;

CONTOUR LEVELS:- = 1.00 -- = 0.50 .. = 0.10 -. = 0.05 -.. = 0.01

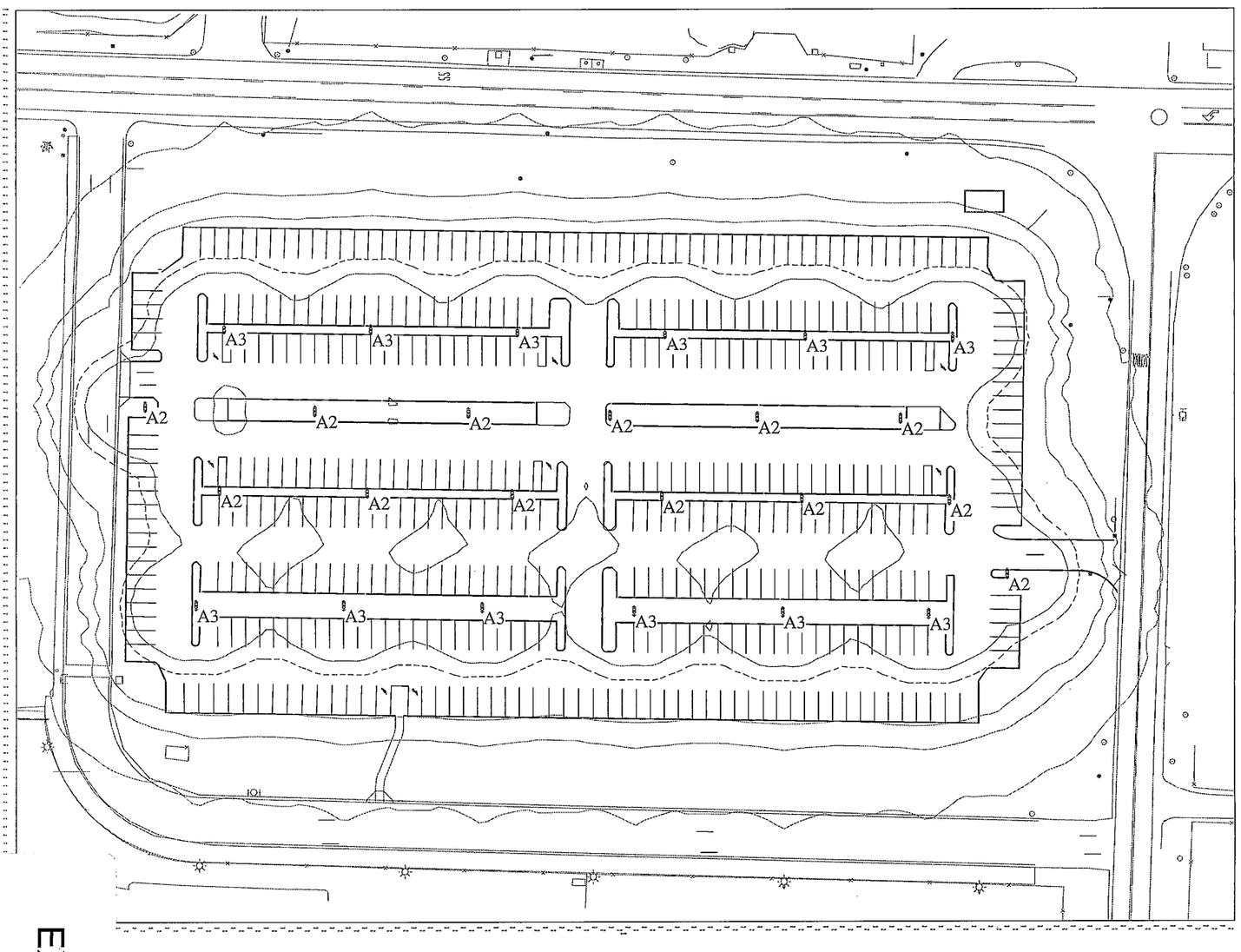

EXHIBIT F-2

6/15/2006

LitePro 2.018 Point-By-Point Results

PROJECT: 3.5 Acre Parking Lot/10533 GROUP: NEW Remote Parking @ 15' AREA: Spaulding GRID: rmp
PREPARED BY:
VALUES ARE FC, SCALE: 1 IN= 80.0FT, HORZ GRID (U), HORZ CALC, Z= 0.0

Computed in accordance with IES recommendations

Statistics

GROUP	MIN	MAX	AVE	AVE/MIN	MAX/MIN
(+) Off Site Ltg	0.00	2.77	0.07	N/A	N/A
(*) Parking Area	0.33	12.85	2.42	7.43	39.51

Luminaires Used

TYPE	QTY	TEST#	DESCRIPTION
A1	28	---------	1-OKII-Spauldin, Twint 35W LPS, 15' mh 15° tilt (1) CA <OK2-L35-H5-F>, LLF= 1.00;
A2	41	---------	2-OKII-Spauldin, Twin 35W LPS, 15' mh 15° tilt (2) CA <OK2-L35-H5-F>, LLF= 1.00;

CONTOUR LEVELS:- = 1.00 -- = 0.50 .. = 0.10 -. = 0.05 -.. = 0.01

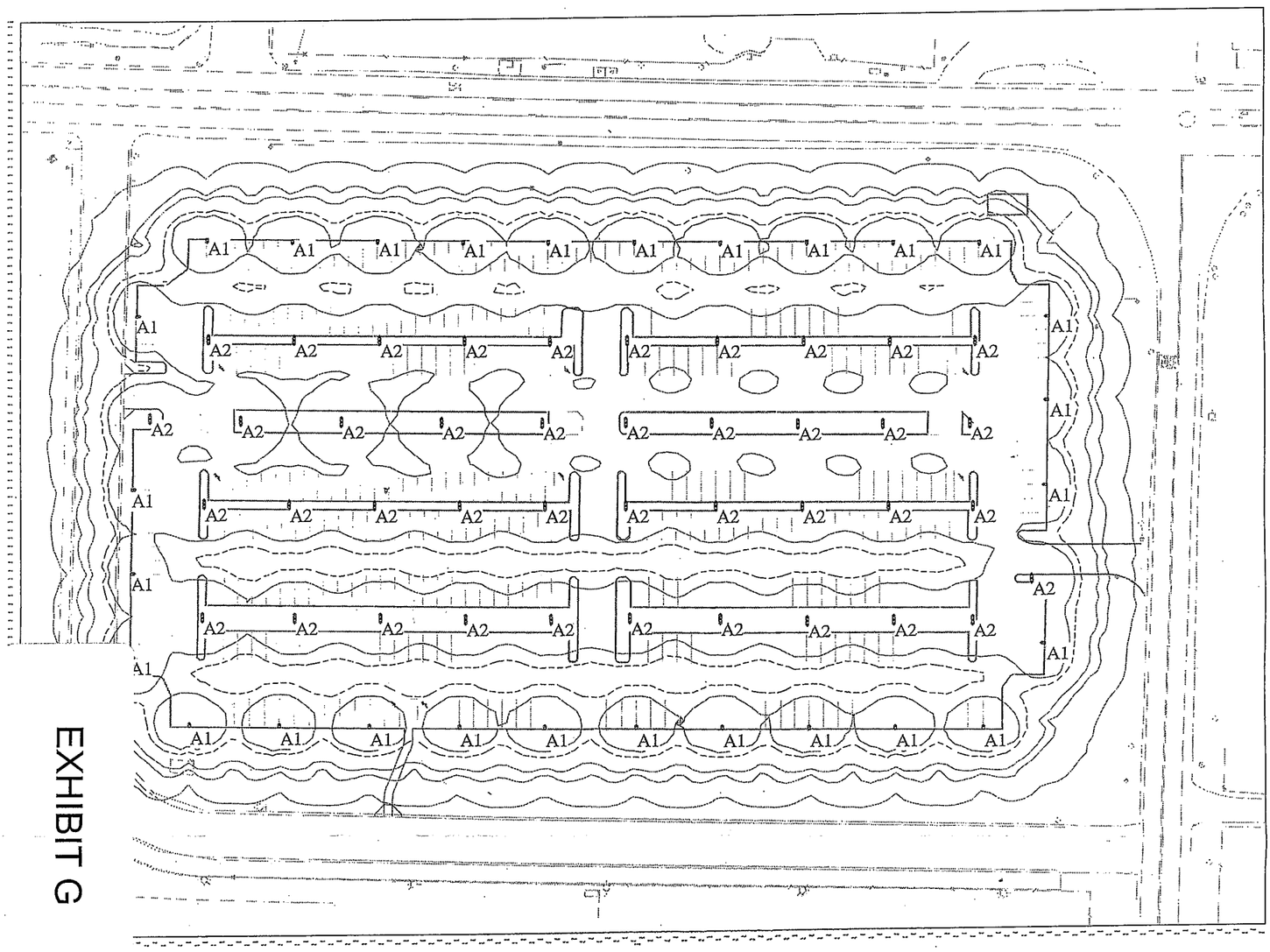

EXHIBIT G

LitePro 2.018 Point-By-Point Results 6/14/2006

PROJECT: 3.5 Acre Parking Lot/10533 GROUP: NEW Remote Parking T24 AREA: Spaulding GRID: rmp
PREPARED BY:
VALUES ARE FC, SCALE: 1 IN= 80.0FT, HORZ GRID (U), HORZ CALC, Z= 0.0

Computed in accordance with IES recommendations

Statistics

GROUP	MIN	MAX	AVE	AVE/MIN	MAX/MIN
(+) Off Site Ltg	0.00	3.52	0.11	N/A	N/A
(*) Parking Area	0.17	14.33	2.42	14.01	83.01

Luminaires Used

TYPE	QTY	TEST#	DESCRIPTION
A1	28	--------	1-OK1-Spaulding, 55W LPS, 15 mh no tilt (1) BA <OK1-L55-H5-F>, LLF= 1.00;
A2	41	--------	2-OK1-Spaulding, 55W LPS, 15' mh no til (2) BA <OK1-L55-H5-F>, LLF= 1.00;

CONTOUR LEVELS:- = 1.00 -- = 0.50 .. = 0.10 -. = 0.05 -.. = 0.01

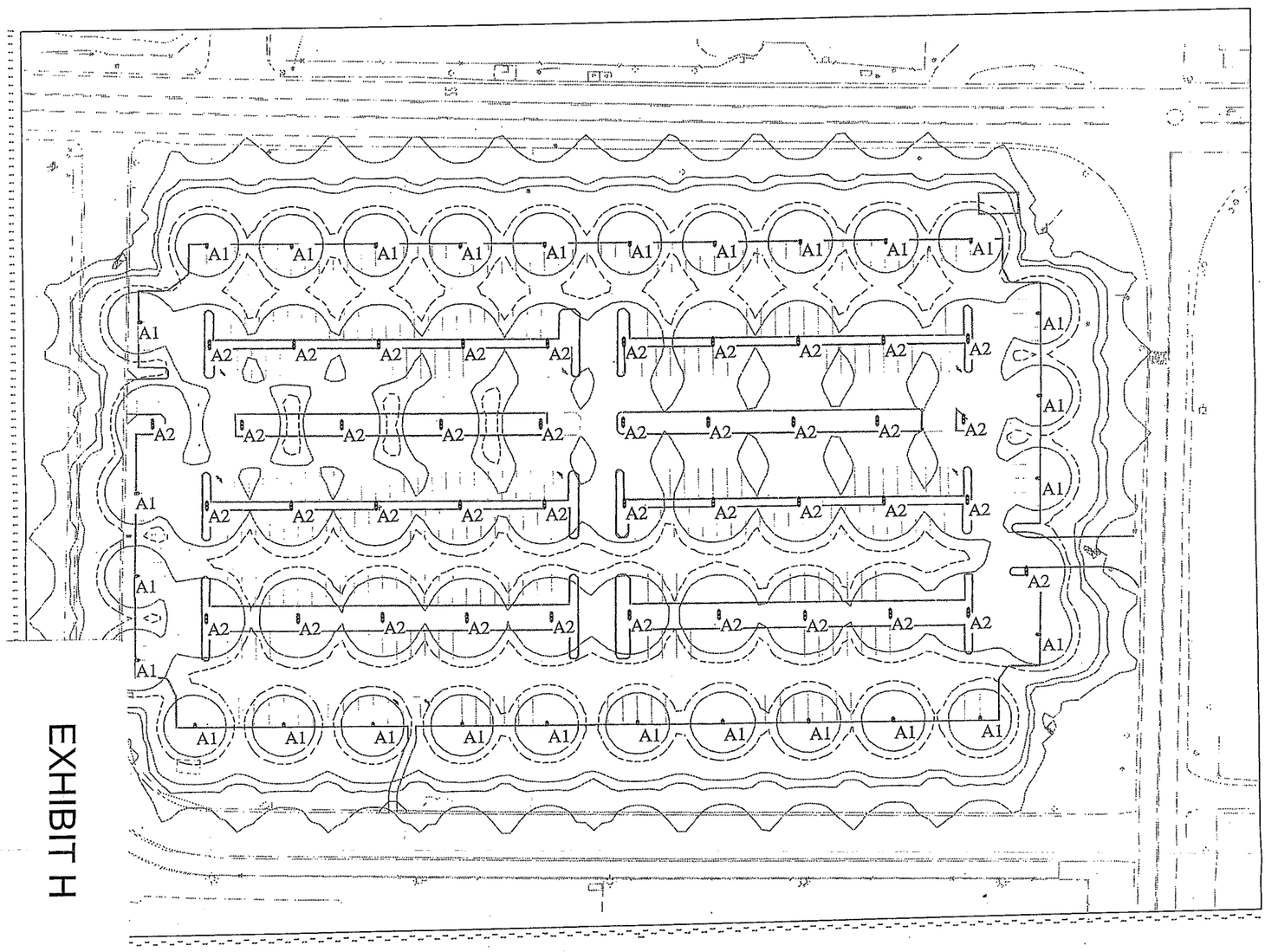

EXHIBIT H

CERTIFICATE OF COMPLIANCE (Part 1 of 2) OLTG-1-C

PROJECT NAME		DATE
Valley Veiw Casino Remote Parking Lot		January 25, 2007
PROJECT ADDRESS		
PRINCIPAL DESIGNER-LIGHTING	TELEPHONE 760-745-2001	Building Permit
DOCUMENTATION AUTHOR	TELEPHONE 760-745-2001	Checked by/Date Enforcement Agency Use

GENERAL INFORMATION

DATE OF PLANS	January 25, 2007	OUTDOOR LIGHITNG ZONE	☐ LZ1	☑ LZ2	☐ LZ3	☐ LZ4	
FUNCTION TYPE	☑ OUTDOOR LIGHITNG	☐ OUTDOOR SIGNS					
PHASE OF CONSTRUCTION	☑ NEW	☐ ADDITION	☐ ALTERATION				

STATEMENT OF COMPLIANCE

This Certificate of Compliance lists outdoor lighting system specifications need to comply with Title 24, Part 1 and 6 of the california Code of Regulations. This certificat applies only to building lighitng requirements.

The documentation preparer hereby certifies that the documentation is accurate and complete.

DOCUMENTATION AUTHOR	SIGNATURE	DATE
JANET G. CARRADINE	Janet G. Carradine	January 25, 2007

The Principal Lighting Designer hereby certifies that the proposed building design represented in this set of construction documents is consistant with the other compliance forms and worksheets, with the specifications, and with any other calculations submitted with this permit application. The proposed building has been designed to meet lighting requirements contained in applicable parts of sections 110, 119, 130-132, 146, 148, & 149 of Title 24 Part 6.

☐ I hereby affirm that I am eligible under the provisions of Division 3 of the Business and Professions Code to sign this document as the person responsible for its preparation; and that I am licensed in the State of California as a civil engineer or electrical engineer, or I am a licensed architect.

☑ I affirm that I am eligible under the provisions of Division 3 of the Business and Professions Code by section 5537.2 or 6737.3 to sign this document as the person responsible for its preparation; and that I am a licensed contractor preforming this work.

☐ I affirm that I am eligible under Division 3 of the Business and Professions Code to sign this document because it pertains to a structure or type of work described as exemp pursuant to Business and Professions Code Section 5537, 5538 and 6737.1.

(These sections of the Business and Professions Code are printed in full in the Nonresidential Manual.)

PRINCIPAL LIGHTION DESIGNER - NAME	SIGNATURE	DATE	LIC. #
JANET G. CARRADINE	Janet G. Carradine	January 25, 2007	C10-161756

INSTRUCTION TO APPLICANT OUTDOOR LIGHTING COMPLIANCE & WORKSHEET (√ box if worksheet is included)

For detailed instructions on the use of this and all Energy Efficiency Standard compliance forms, please refer to the Nonresidential Manual published by the California Energy Commission.

☑ OLTG-1-C	Certificate of Compliance. Required on plans for all submittals for outdoor lighting. Part 2 of 2 may be incorporated in schedules on the plans.
	Either LTG-1-C or OLTG-1-C may be used for signs as follows: 1. Use LTG-1-C if the project consists solely of indoor signs. 2. Use LTG-1-C if the project consists of indoor lighting, and out door or indoor signs, but no other outdoor lighting. 3. Use OLTG-1-C if the project consists solely of outdoor signs. 4. Use OLTG-1-C if the project consists of outdoor lighitng, and indoor or outdoor signs, but no other indoor lighitng.
☑ OLTG-2-C	LIGHTING COMPLIANCE SUMMARY. Applicable Parts required for ALL outdoor lighitng allowances (Eccept for Signs)
☑ OLTG-3-C	AREA CALCULATIONS WORKSHEETS. Applicable parts required for all outdoor area calculations.
☐ OLTG-4-C	SIGN LIGHTING COMPLIANCE. Required for all internally and externally illuminated signs, for both indoor and outdoor signs.

EXHIBIT J
1 OF 4

CERTIFICATE OF COMPLIANCE (Part 2 of 2) OLTG-1-C

PROJECT NAME	DATE
Valley Veiw Casino Remote Parking Lot	January 25, 2007

Lighting Schedules on Plans Show that Outdoor Lighting Meets Allowed Lighting Power

- [√] Lighting power allowances for general site illumination on OLTG-2-C (Part 1 of 4)
- [ ] Not Applicable
- [ ] Lighting power allowances for local ordinaneces or for security mulipliers on OLTG-2-C (Part 2 of 4)
- [√] Not Applicable
- [ ] Lighting power allowances for specific applications, other than vehicle service stations with canopies on OLTG-2-C (Part 3 of 4)
- [√] Not Applicable
- [ ] Lighting power allowances for vehicle service station canopies on OLTG-2-C (Part 4 of 4)
- [√] Not Applicable
- [ ] Sign lighitng compliance on OLTG--C
- [√] Not Applicable

Mandatory Measures on Plans Show that Outdoor Lighting Meets Outdoor Lighting Contorls and Equipment
Indicate location on plans of Note Block for Mandatory Measures

- [√] Installed lighting power has been determined in accordace with § 130(c)1
- [ ] Not Applicable
- [ ] All permanently installed luminaires with lamps rated over 100 watts either have a lamp efficacy of at least 60 lumens per watt or are controlled by a motion sensor § 132a
- [√] Not Applicable
- [ ] All Luminaires with lamps rated greater than 175 watts in hardscape areas, including parking lots, building entrances, canopies, and all outdoor sales areas meet the Cutoff Requirements of § 132(b)
- [√] Not Applicable
- [√] All permanently installed outdoor lighting meets the Control Requirements of § 132(c)1
- [ ] Not Applicable
- [ ] Building facades, parking lots, garages, canopies, and outdoor sales areas meet the Multi-Level Lighting Requiremants of § 132(c)2
- [√] Not Applicable

MANDATORY AUTOMATIC CONTORLS

CONTROL LOCATION	CONTROL IDENTIFICATION	CONTROL TYPE Auto Time Switch/photosensor, etc	AREA CONTORLLED	NOTE TO FIELD

EXHIBIT J
2 OF 4

LIGHTING COMPLIANCE SUMMARY (Part 1 of 4) OLTG-2-C

PROJECT NAME
Valley Veiw Casino Remote Parking Lot

DATE
January 25, 2007

LIGHTING POWER ALLOWANCES - GENERAL SITE ILLUMINATION - (Table 147A)

	Allotted Watts			Luminaire			Lamps/Ballasts				Installed Watts			
A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
Lighitng Applications Category (Table 147A)	Area (ft²) or Length (LF)	Allotted LPD w/ft² or w/LF	Allotted Watts (BxC)	Code for Luminaire Type	Description	Cutoff Designation	Lamp Type	Number of Lamps per Luminaire	Watts per Lamp	Number of Ballast per Luminaire	Watts per Luminaire	√ If CEC Default	Number of Luminaires	Installed Watts (LxN)
(i) Parking Lots	166878	0.08	13350.24	CB	Twin 55w LPS		HID	2	55	1	160	√	38	6080
				CC	Twin 90w LPS		HID	2	90	1	250	√	12	3000
		Total Allowed Watts	13350.24								Total Installed Watts			9080

EXHIBIT J
3 OF 4

ILLUMINATED AREA CALCULATION WORKSHEET (Part 1 of 5) OLTG-3-C

PROJECT NAME: Valley Veiw Casino Remote Parking Lot

DATE: January 25, 2007

HARDSCAPE - Method (i)

A. Hardscape for Automotive Vehicular use, including parking lots, driveways, and site roads

A	B	C	D	E	F	G	H
		Areas (ft²) to Subtract from within Illuminated Area					
List Specific Application (Table 147A)	Actual Paved Area plus 5' perimeter of adjacent unpaved land. Includes planters and landscaped areas less than 10' wide that are enclosed by hardscape on at least 3 sides	Areas between poles or luminaires that are greater than 6 mounting height distance (if Applicable)	Overlapping Areas of Another Application or Luminaire	Building Areas	Area Obstructed By Sign or Other Structure	Sub Total of areas to Subtract (C+D+E+F)	Illuminated Area (B-G)
(i) Parking Lots	166878						166878

B. Hardscape for pedestrian use, including plazas, sidewalks, walkways, and bikeways

A	B	C	D	E	F	G	H
		Areas (ft²) to Subtract from within Illuminated Area					
List Specific Application (Table 147A)	Actual Paved Area plus 5' of unpaved land on either side of path of travel. Shall include all contiguous paved area before including adjacent grounds.	Areas between poles or luminaires that are greater than 6 mounting height distance (if Applicable)	Overlapping Areas of Another Application or Luminaire	Building Areas	Area Obstructed By Sign or Other Structure	Sub Total of areas to Subtract (C+D+E+F)	Illuminated Area (B-G)

- Each portion of all illuminated areas has been assigned only one lighitng application, and the applications are consistent with the actual use of the area.

- General illumination areas includes only those illuminated areas that are in the bounds of the Appication and are within a square pattern around a luminaire that is six times the mounting height, with the luminaire in the middle of the pattern, less any areas that are within buildings, under canopies, beyound property lines, or obstructed by a sign or other structure.

EXHIBIT J
4 OF 4

Source: Aerial Access (2003)

Mooney · Jones & Stokes

0 100 200
Feet

Aerial Photo - 2003
Appendix A

G//Projects/05394.05/Graphics/Russ/Appendix A/Aerial photo 2003.cdr (6/29/06)

Source: GlobeXplorer

Mooney · Jones & Stokes

0 100 200
Feet

Aerial Photo - 2005
Appendix A

G//Projects/05394.05/Graphics/Russ/Appendix A/Aerial Photo 2005.cdr (6/29/06)